Course of Study General Engineering Science (German program, 7 semester) (Study Cohort w16)

Sample course plan B Bachelor General Engineering Science (German program, 7 semester) (AIWBS(7))

Legend:

ole course plan B Bachelo	r General	Engineering Science (Ge	erman prog	ram, 7 semester) (AIWBS	(7))		Legenu.							
ialisation Mechanical Engineering, Focus Materials in Engineering Sciences						Core qualification Compulsory		Specialisation Compulsory		Focus Compulsory		Thesis Compulsory		
							Core quali Compulso	fication Elective ry	Specialisation Ele Compulsory	ctive	Focus Elective Co	ompulsory	Interdisciplinary comple	ment
Semester 1	FormHrs	/wSkemester 2	FormHrs/	Weelenester 3	FormHrs	/wolkemester 4	FormHrs	/wSkemester 5	Formelrs	/wSkemester	6	FormHrs/w2	Memester 7	Forml
Chemistry Chemistry I Chemistry II Chemistry I Chemistry II	VL 2 VL 2 HÜ 1 HÜ 1	Electrical Engineerin Alternating Current Networks and Basic Electrical Engineering Alternating Current Networks and Basic Devices Electrical Engineering Alternating Current Networks and Basic Devices	Devices II: VL 3	Thermodynamics II Technical Thermodynamics II		Mechanical Engineerin Design (part 2) Team Project Design Methodology Mechanical Design Project II Fundamentals of Mate Science (part 2) Fundamentals of Materials Science II	PBL2 TT 3	Computer Engine Computer Engine Computer Engine	ering VL 3	Foundatio Introductio Manageme Manageme	ent	Ment A	Advanced Internship (λES
Electrical Engineerin Direct Current Network Electromagnetic Field Electrical Engineering I Direct Current Network and Electromagnetic Fields Electrical Engineering I Direct Current Network and Electromagnetic Fields	rks and ds : VL 3 (s : UE 2	Fundamentals of Mec Engineering Design Fundamentals of Mechanical Engineerin Design Fundamentals of Mechanical Engineerin Design	VL 2 g HÜ 2	Analysis III Analysis III Differential Equations 1	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Advanced Mechanical Engineering Design (r Advanced Mechanical Engineering Design II Advanced Mechanical Engineering Design II Fluid Dynamics Fluid Mechanics Fluid Mechanics	VL 2 HÜ 2 VL 3 HÜ 2	Introduction to Co Systems Introduction to Co Systems Introduction to Co Systems	ontrol VL 2	Materials Enhanced Fundamen Ceramics Enhanced Fundamen Fundamen	tals: Metals tals: and Polymers	s of VL 2 VL 2 HÜ 1		
Mathematics I Linear Algebra I Linear Algebra I Linear Algebra I Analysis I Analysis I Analysis I	VL 2 UE 1 HÜ 1 VL 2 UE 1 HÜ 1	Technical Thermody Technical Thermodynamics I Technical Thermodynamics I Technical Thermodynamics I	namics I VL 2 HÜ 1 UE 1	Mechanics III	atics, VL 3 UE 2 HÜ 1	Mechanics IV (Kinetic: Oscillations, Analytica Mechanics, Multibody Systems) Mechanics IV Mechanics IV Mechanics IV	ıl İ	Measurement Te for Mechanical a Engineers Measurement Technology for Mechanical and F Engineers Measurement Technology for Mechanical and F Engineers Practical Course: Measurement and Control Systems	VL 2 Process HÜ 1 Process PR 2	Fundamen Mechanica of Material	Il Properties s ntals of Produ ty Managemen Process	VL 2		
Mechanics I (Statics) Mechanics I Mechanics I	VL 2 UE 2 HÜ 1	Mechanics II: Mechan Materials Mechanics II Mechanics II Mechanics II	nics of VL 2 UE 2 HÜ 2	Mechanical Engineerin Design (part 1) Embodiment Design and 3D-CAD	Ū	Signals and Systems Signals and Systems Signals and Systems	VL 3 HÜ 1	Numerical Mathe Numerical Mathe I Numerical Mathe I	matics VL 2			E	Bachelor Thesis	

4		Mechanical Design TT 3 Project I Fundamentals of Materials		
5	Mathematics II	Science (part 1)	Structural Materials (part 1)	
7	Linear Algebra II VL 2	Fundamentals of VL 2 Materials Science I	Welding Technology VL 3	
Programming in C	Linear Algebra II UE 1			
Programming in C VL 1	Linear Algebra II HÜ 1	Physical and Chemical VL 2 Basics of Materials		
Programming in C PR 1	Analysis II VL 2	Science		
3	Analysis II HÜ 1	A down and Mark suited		
Physics for Engineers (AIW)	Analysis II UE 1	Advanced Mechanical Engineering Design (part 1)	Material Science Laboratory	
Physics for Engineers VL 2 Physics for Engineers UE 1		Advanced Mechanical VL 2 Engineering Design I	Companion Lecture for VL 2 Materials Science Laboratory	
Flysics for Engineers OL T		Advanced Mechanical HÜ 2 Engineering Design I	Material Science PR 4 Laboratory	
2				
3				
Nontechnical Complementary Co	urses for Bachelors (from catalogu	ie) - 6LP		

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.